

**EPA**United States Environmental Protection Agency  
Washington, DC 20460**Work Assignment**

Work Assignment Number

170-RDRD-B5Y7

☒ Other ☒ Amendment Number:

000011

Contract Number

EP-S5-06-01

Contract Period 03/15/2006 To 03/14/2016

Base

Option Period Number 1

Title of Work Assignment/SF Site Name

Eagle Zinc

Contractor

CH2M HILL, INC.

Specify Section and paragraph of Contract SOW

Remedial Design

Purpose:

☐

Work Assignment

☐

Work Assignment Close-Out

☒

Work Assignment Amendment

☐

Incremental Funding

☐

Work Plan Approval

Period of Performance

From 01/10/2013 To 12/31/2015

Comments:

This action authorizes the contractor to implement the attached Technical Direction Memorandum (TDM) No. 1 dated May 22, 2015.

☒ Superfund

Accounting and Appropriations Data

☐ Non-Superfund

SFO

(Max 2)

☐

Note: To report additional accounting and appropriations data use EPA Form 1900-69A.

Line	DCN (Max 6)	Budget/FY (Max 4)	Appropriation Code (Max 6)	Budget Org/Code (Max 7)	Program Element (Max 9)	Object Class (Max 4)	Amount (Dollars)	(Cents)	Site/Project (Max 8)	Cost Org/Code (Max 7)
1	SEX508	13	TR2B	05F0BY7	303DD2	2505	230000		B5Y7RD02	C002
2		14	TR2B	05F0BY7	303DD2	2505	170000		B5Y7RD00	C002
3		14	T	05F0BY7	303DD2	2505	322000		B5Y7RD00	C002
4										
5										

## Authorized Work Assignment Ceiling

Contract Period:

03/15/2006 To 03/14/2016

Cost/Fee: \$0.00

LOE: 0

This Action:

\$727,022.00

5,746

Total:

\$727,022.00

5,746

## Work Plan / Cost Estimate Approvals

Contractor WP Dated: 03/06/2015

Cost/Fee: \$727,022.00

LOE: 5,746

Cumulative Approved:

Cost/Fee: \$727,022.00

LOE: 5,746

Work Assignment Manager Name Timothy Drexler

(Signature)

(Date)

Branch/Mail Code:

Phone Number 312-353-4367

FAX Number:

Project Officer Name William Dytrych

(Signature)

(Date)

Branch/Mail Code:

Phone Number: 312-886-0755

FAX Number:

Other Agency Official Name

(Signature)

(Date)

Branch/Mail Code:

Phone Number:

FAX Number:

Contracting Official Name Rhonda Flynn

(Signature)

(Date)

Branch/Mail Code:

Phone Number: 312-353-3187

FAX Number:

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## **TECHNICAL DIRECTION MEMORANDUM (TDM) No. 1**

WA No. 170-RDRD-B5Y7

WAF Revision No. 11

May 22, 2015

### Background

The site is located in mixed industrial/commercial/residential area in Hillsboro, Montgomery County, Illinois. The site is about 132 acres with about 30 acres of buildings and associated structures. There are about 23 buildings onsite that were previously used for facility operations, including offices, laboratories, manufacturing/processing, equipment/raw material/finished product storage, bag houses, and maintenance facilities. Also located on the site are railroad spurs, raw material and residual material, two storm water retention ponds, a small pond and several roads. Active industrial operations ceased in 2003. The area has been zoned commercial/industrial and there are no plans to re-zone the area for other uses.

Previous investigations have taken place since the early 1980's. The initial Remedial Investigation started in 2001 and a draft report was produced in 2005. These previous investigations show multiple residue piles throughout the site that exceed screening levels. The contaminants of concern on-site include lead and cadmium. Other contaminants on-site include copper, zinc, and manganese. In 2008, the buildings and associated structures on-site were sampled and the results revealed significantly high concentrations of lead in, on, and around the buildings. That sampling event led to the U.S. EPA decision to do an interim action to address the immediate threat posed by the buildings. While the interim proposed plan was being drafted, a removal action was conducted in January 2009 to quickly mitigate site access and exposure. A site fence was installed around the most accessible areas. A supplemental RI/FS was conducted from 2010 to 2012.

The U.S. EPA has divided the site into two OUs to effectively deal with the short-term risks (lead in the buildings) and the long-term risks (contaminated soil and groundwater on-site). OU 1 consists of the demolition of buildings (Interim ROD 2009). OU 2 consists of the soil, sediment, surface water, and ground water on the site. The design for the OU 2 selected remedy is the focus of this TDM.

The contractor has been tasked to generate a Remedial Design (RD) for the OU 2 portion of the Eagle Zinc site. The RD is generally defined as those activities to be undertaken by the contractor to develop the final plans and specifications, general provisions, and special requirements necessary to translate the ROD into the remedy to be constructed under the remedial action (RA) phase. In SOW Revision No. 4 dated January 9, 2015, the contractor is tasked to perform soil sampling in areas of potential overbank flooding as a part of the production of the RD.

The purpose of this technical direction memo (TDM) is to modify the soil sampling outlined in the SOW to include additional residential/commercial soil sampling in residential/commercial areas near the site, utilizing methods that would be consistent with EPA lead-contamination remediation guidance. The contractor should assume an additional 36 soil samples, plus Quality Assurance (QA) samples. This TDM, therefore, authorizes the contractor to perform the activities described below:

Task 3 - Field Investigation/Data Acquisition [FI]

This action authorizes the contractor to increase the number of residential/commercial soil samples by 36, plus QA samples, beyond the quantity of two (2) in approved Work Plan Revision Request No. 1 dated March 6, 2015.